

Datasheet for ABIN3020704

**anti-CD40 antibody**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	CD40
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD40 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant protein of human CD40
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	CD40
Alternative Name:	CD40 ( <a href="#">CD40 Products</a> )
Background:	This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of

## Target Details

immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.,CD40,Bp50,CDW40,TNFRSF5,p50,Cell Biology & Developmental Biology,Apoptosis,Immunology & Inflammation,CD markers,B Cell Receptor Signaling Pathway,NF-kB Signaling Pathway,Stem Cells,Hematopoietic Progenitors,Cardiovascular,CD40

Molecular Weight: 22 kDa/30 kDa

Gene ID: 958

UniProt: [P25942](#)

Pathways: [NF-kappaB Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [M Phase](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

## Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

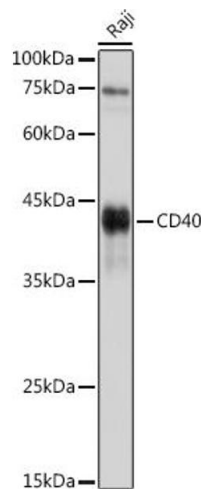
Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

Handling

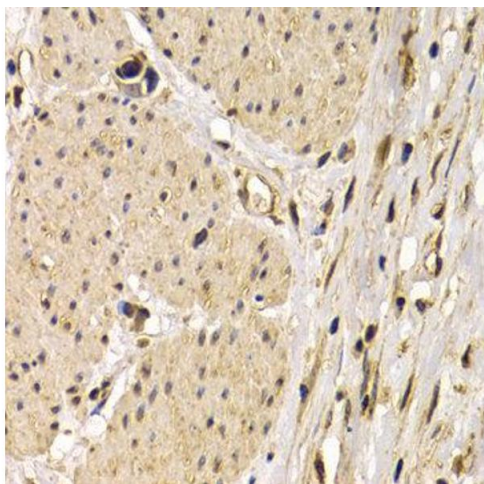
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



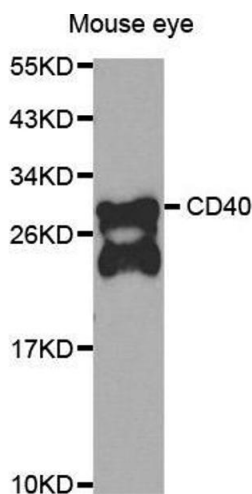
Western Blotting

**Image 1.** Western blot analysis of extracts of Raji cells, using CD40 antibody (ABIN3020703, ABIN3020704, ABIN3020705 and ABIN6213680) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



Immunohistochemistry

**Image 2.**



Western Blotting

**Image 3.**

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3020704.